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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/12/2008

Smith, Gambrell & Russell 1850 M Street, N.W., Suite 800 Washington, DC 20036 EXAMINER

SELLMAN, CACHET I

ART UNIT

PAPER NUMBER

1792 DATE MAILED: 12/12/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,038	12/04/2003	Kazuyuki Mitsuoka	33082M185	4856

TITLE OF INVENTION: METHOD OF PROCESSING AN ORGANIC-FILM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/12/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bi	Fee	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
Smith, Gambre 1850 M Street, N Washington, DC	ell & Russell N.W., Suite 800	7/2008	I he Stat add tran	reby certify that thi	ificate of Mailing s Fee(s) Transmitta ith sufficient posta Stop ISSUE FEE O (571) 273-2885,	il is being d	ission leposited with the United class mail in an envelope pove, or being facsimile e indicated below.
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCK	ET NO.	CONFIRMATION NO.
10/727,038	12/04/2003		Kazuyuki Mitsuoka		33082M185	5	4856
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CFR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attack	unge of Correspondence "Indication form ned. Use of a Customer	(1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or 2 registered patent atto- listed, no name will be	of a single firm (having as a member a rney or agent) and the names of up to atent attorneys or agents. If no name is e will be printed.			
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	ified below, no assignee pletion of this form is NO	THE PATENT (print or ty) data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	oatent. If an assigne assignment. Y and STATE OR C	OUNTRY)		
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10/727,038	12/04/2003	Kazuyuki Mitsuoka	33082M185	4856	
75	90 12/12/2008	EXAMINER			
Smith, Gambrell & Russell 1850 M Street, N.W., Suite 800			SELLMAN, CACHET I		
			ART UNIT	PAPER NUMBER	
Washington, DC 20036			1792		
			DATE MAILED: 12/12/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 407 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 407 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/727,038	MITSUOKA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	CACHET I. SELLMAN	1792	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in t 5) or other appropriate commun RIGHTS. This application is su	his application. If not included ication will be mailed in due course. THIS	
1. This communication is responsive to <u>amendment filed 8/2</u>	<u>20/2008</u> .		
2. 🔀 The allowed claim(s) is/are <u>1,8,9,13,20,21,25,26,28-30 al</u>	nd 32.		
3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. □ A SUBSTITUTE OATH OR DECLARATION must be subtined to the priority of the priority of the priority documents have a subtined to the priority of the priority documents have a subtined to priority of the priority	ve been received. ve been received in Application ocuments have been received in " of this communication to file a MENT of this application. mitted. Note the attached EXAN ves reason(s) why the oath or o	No In this national stage application from the reply complying with the requirements INER'S AMENDMENT or NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu			
(a) ☐ including changes required by the Notice of Draftspe	-	PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date (b) nicluding changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	r's Amendment / Comment or in	drawings in the front (not the back) of	
6. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATER	RIAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material) 6. ☐ Interview Sur Paper No./M 7. ☐ Examiner's A	rmal Patent Application nmary (PTO-413), ail Date mendment/Comment tatement of Reasons for Allowance	
/William Phillip Fletcher III/			
Primary Examiner, Art Unit 1792			

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Art Unit: 1792

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1, 8, 9, 13, 20-21, 25-26, 28-30, and 32 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: The prior art teaches a process for forming a polar film on a surface of an organic film where the film is formed of silicon, carbon, hydrogen and oxygen; modifying the film to impart an affinity by irradiating with electron beams in a rare gas atmosphere such as argon by exposing the film to a first pressure and imparting an affinity at a second pressure; applying a polar liquid to the surface of the organic film.
- 3. The prior art reference Gallagher et al. provides examples of treating the film using heat where the resulting contact angle is 68°. However, Gallagher et al. fails to teach or show examples of obtaining angles less than. Furthermore Ross does not state how the electron beam treatment changes/ decreases the contact angle of a silsesquioxane film to be below 58°. Therefore the prior art fails to teach treating the film comprises of silicon, carbon, hydrogen and oxygen with electron beams in order to provide the surface with a contact angle of less than 58°.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CACHET I. SELLMAN whose telephone number is

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Art Unit: 1792

(571)272-0691. The examiner can normally be reached on Monday through Friday,

7:00 - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on 571-272-1423. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Cachet I Sellman Examiner Art Unit 1792

/C. I. S./

Examiner, Art Unit 1792

/William Phillip Fletcher III/

Primary Examiner, Art Unit 1792